



*Brault & Bouthillier
Education*

Science & Technology

70

*candles
and still glowing
bright!*



A



Learn better by manipulating!

Children use an intuitive programming language to control this small, mobile bee robot with simple instructional buttons on its back: move forward, move backward, left and right 90° turns, delete program, 1 second pause, and GO. Program a route and when you press "GO", Bee-Bot executes your program, emitting a sound (can be deactivated) and flashing its eyes to confirm each step. Robot flashes and emits a different sound at the end. Simply press a button to delete the program then start programming a new route.



B



A Bee-Bot

Great tool to develop intuitive programming through logical steps sequence. Program this pretty little bee robot's route by using the simple instructional buttons on its back. Bee-bot moves in 15-cm steps and emits sounds (can be deactivated) to confirm each step. Features a memory of up to 40 steps. Supplied with a USB lead, Bee-Bot can either be recharged via your computer or a wall socket with a USB mains adapter (not supplied). Automatically goes to sleep after 2 minutes of non-use. Approx. 4 hours of running time. Robust design with smooth-rolling, rubber wheels. Sturdy plastic. 13 x 10 x 7 cm high.

119⁹⁵ 2207694

B Bee-Bot – Starter pack

Includes 1 rechargeable Bee-Bot with USB charging lead, 4 activity mats (Treasure Island, Busy Street, Transparent Grid, and Long Transparent Grid), 1 set of 49 sequence cards, and 10 white clip-on shells to give Bee-Bot a makeover.

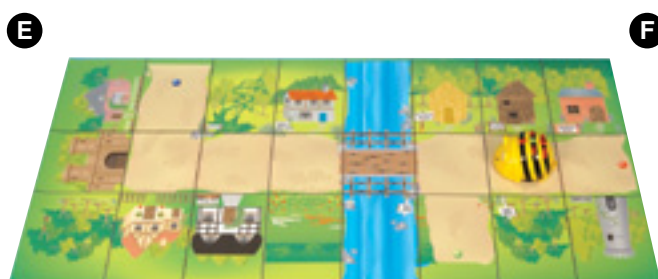
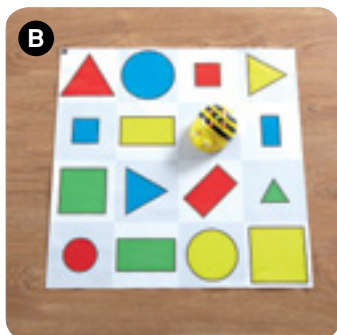
296⁹⁵ 2208031

Bee-Bot – Class Set for 6

Set includes:

- 1 Class Bundle (6 rechargeable Bee-Bots and 1 docking station)
- 1 Alphabet Mat
- 1 Seaside Mat
- 1 Treasure Island Mat
- 1 Sequence Cards
- 1 Teacher Guide

799⁹⁵ 2208171



Bee-Bot Mats

The indexed grid pattern of this great, soft surface features squares matching Bee-Bots steps, for easier programming and navigating. A great variety of designs provides opportunities to enhance skills in numerous subjects. Easy-clean, durable vinyl. Simply roll up to store.

A Transparent Pocket Mat

Insert pictures, letters, numbers, symbols or any customized card or tile in the 24 pockets, to support any topic or activity. Approx. 65 x 100 cm.

46⁹⁵ 2207900

B Shapes, Colours and Size

Features 1 shape per square, so each shape is 1 Bee-Bot step away from the next. Also great for numeracy activities. 60 x 60 cm.

49⁹⁵ 2207884

C Treasure Island

Explore the island with Bee-Bot (2207694) and seek out the treasure, while developing story-telling and map-reading skills. 60 x 60 cm.

49⁹⁵ 2207868

D Transparent Grid

Place this versatile, clear mat on top of existing carpets or maps, to introduce or extend grid location and mapping skills. Or ask children to design their own mats: the possibilities are simply endless. 60 x 60 cm.

19⁹⁵ 2207918

E Fairytale

Visit characters and scenery from familiar fairytales (Goldilocks and the Three Bears, Jack and the Beanstalk, The Three Little Pigs). With a teacher's guide. 120 x 45 cm.

49⁹⁵ 2207850

F Farm Yard

Introduce children to different animals, culture and crops, etc. 75 x 75 cm.

49⁹⁵ 2207843

G Alphabet

Features 4 plain squares and 26 squares showing a large lower-case letter and a small upper-case letter, for a variety of literacy games. 75 x 90 cm.

49⁹⁵ 2207876

H Seaside

Busy seaside town features a beach, pier, life boat station, gift shop and more. 105 x 105 cm.

49⁹⁵ 2207728

I Busy Street

Let Bee-Bot (2207694) roll from place to place on this store-lined street. Friendly community setting is ideal for a variety of language- and geography-based activities. 120 x 45 cm.

49⁹⁵ 2207892

Bee-Bot



A Bee-Bot – Class Bundle

Includes 6 rechargeable Bee-Bots and 1 docking station acting as both a charger and safe storage. Can be wall-mounted with 6 Bee-Bots in situ. Charges Bee-Bots within half a day, approximately 4 hours of normal use.

669⁹⁵ 2207702

B Bee-Bot – Carry Case

Securely transport up to 6 Bee-Bots and 3 mats. Features flexible, expandable compartments, for multiple carrying possibilities, 3 zip-up compartments on the inside and front, perfect for accessories such as USB cables, batteries and screwdrivers (all not included), and a sturdy carry handle.

62⁹⁵ 2207710

C Bee-Bot – Giant Sequence Bee-Bot Cards

Ideal for assisting in program planning and recording. Hold up or simply lay on the floor to create a route. Set of (49) 15 x 21 cm durable, laminated cards, each featuring a large, bold Bee-Bot button with written command, and its position on the Bee-Bot back.

40⁹⁵ 2208007

D Bee-Bot – Lesson Activities International

With this interactive program, children control Bee-Bot through 8 cross-curricular virtual mats, solve challenges by programming sequences of moves on-screen, and build and save 3D Bee-Bot worlds. Offers feed-back when tasks have been completed and spoken activity instructions to help inexperienced readers. Ideal for individual computers or on a whiteboard. In 8 languages. Requires Windows XP, Vista or Windows 7.

Single User License

74⁹⁵ 2207942

School License 229⁹⁵ 2207959



A LEGO® Education WeDo – Resource Set

Designed to serve as a parts supplement for the LEGO® Education WeDo Robotics Construction Set. Build 4 new, larger models: a Ferris wheel, a tower crane, an intelligent house, and a car. 325 pieces.

63⁹⁵ 2493468

B LEGO® WeDo – Construction set

All the material required to easily assemble several models, that link to the computer for programming. 158 pieces, such as: 1 USB hub, 1 motor, 1 tilt sensor and 1 motion detector. Programming software sold separately.

149⁹⁵ 2495026

C LEGO Education WeDo® – software Version 1.2

User-friendly icon programming. Activity guide included. Compatible with Windows XP SP, Windows 7 and Mac OS 10.5+.

Single-user license
Multi-user license

86⁹⁵ 2495083
344⁹⁵ 2495109

WeDo – Parts and Accessories

A



B



C



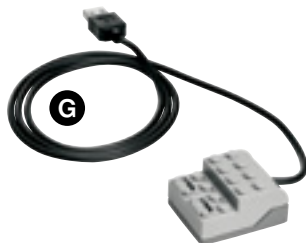
D



E

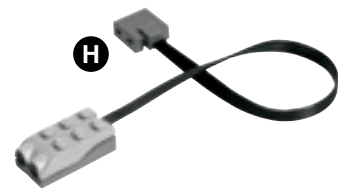


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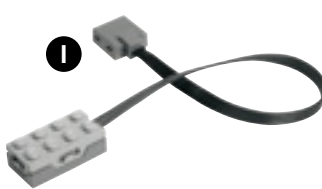


G

H



I



J



A LEGO® WeDo Activity Guide – Amerindian Legends In The Country Of Oui-Doux

Step in the Oui-Doux universe, to let your students conclude their legends. Choosing a context setting, characters, traditional artefacts, animals indigenous to the Province of Quebec, and a WeDo robot among our selection of 12 new models will allow your students to narrate or even write the ending to Amerindian tales. This is a great way to integrate language, social studies and technology.

59⁹⁵ 2495380

B LEGO – Sceneries Set

Giant, innovative 1,207-piece set, in rich colours, designed to build a wide variety of settings, models and characters. With special elements such as spiders, wands, treasure chests, flowers, transparent pieces, and free, downloadable activities. A great addition to any Lego set.

103⁹⁵ 2471274

C LEGO® WeDo Technological Vocabulary Poster

Shows the name of the pieces included in the Lego® WeDo™ set.

10⁹⁵ 2492502

LEGO® Education WeDo – Extension Cables

Sold individually. 20 or 50 cm.

D 20 cm 5⁹⁵ 2339364

E 50 cm 6⁹⁵ 2338697

F LEGO® WeDo Lamp

White LED. 8¹⁵ 2338648

G LEGO® WeDo USB Hub

It is the link between the computer and the robot. 2 ports.

57⁹⁵ 2495034

→ Browse bb.ca for additional WeDo parts.

H LEGO® WeDo Motion Detector

Can detect an object up to 15 cm away.

28⁹⁵ 2495042

I LEGO® WeDo Tilt Sensor

Detects six different positions.

28⁹⁵ 2495059

J LEGO® WeDo Motor

Bring your models to life!

9⁹⁵ 2495067



New WeDo robot assembly plans
available on bb.ca

A LEGO® WeDo Station (2 students)

The set includes:

- 1 LEGO® WeDo Construction set
- 1 LEGO® WeDo programming software
- 1 LEGO® WeDo activity guide CD
- 1 WeDo technological vocabulary poster

239⁹⁵ 2492536

LEGO® WeDo Station (8 students)

The set includes:

- 4 LEGO® WeDo Construction sets
- 1 LEGO® WeDo programming software – multi-license
- 1 LEGO® WeDo activity guide CD
- 1 WeDo technological vocabulary poster

934⁹⁵ 2492544

LEGO® WeDo classroom set (20 students)

The set includes:

- 10 LEGO® WeDo Construction sets
- 1 LEGO® WeDo programming software – multi-license
- 1 LEGO® WeDo activity guide CD
- 1 WeDo technological vocabulary poster

1799⁹⁵ 2493369

LEGO® WeDo Super Classroom Set (for 20 children)

Set includes:

- 10 Lego WeDo Construction Sets
- 10 Lego Education WeDo Resource Sets
- 1 Lego Education WeDo Software

For an additional \$10, you get:

- 1 Lego WeDo Technological Vocabulary Poster
- 1 Lego WeDo Activity Guide
- 1 WeDo technological vocabulary poster

Age: 6+ **2364⁹⁵** 2496156

Everything you need to achieve your teaching goals...

Based on easy to use robotics technology, the engaging LEGO® MINDSTORMS® Education EV3 platform provides an inspiring full teaching solution.

Inspirational hardware

Core set based on robotic technology for great learning via hands-on building experience.

- Intelligent EV3 brick
- Three motors
- Five sensors
- Plenty of LEGO® Technic elements for sturdy building
- Durable, safe and very versatile

Content editor for archiving more!

The content editor inside the software makes it easy for you to edit and adapt all content – or create your own.

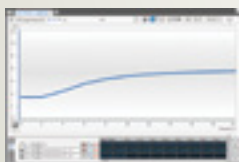
- Customize our curriculum material
- Meet your specific teaching requirements
- Edit or create content for differentiated teaching
- Be inspired by others



Intuitive software

Programming and data logging made easy through software optimised for the classroom.

- Easy to learn, use and understand
- Simple drag and drop programming
- Extensive data logging for science experiments
- 48 step-by-step tutorials & comprehensive user guide



Content editor for students!

Your students capture their work directly inside the content editor, creating their own digital workbook.

- An integrated digital learning experience
- One place for all student information, guidance and support
- Students can add text, images, web links, video & audio files
- Makes assessment and sharing easy



Backwards compatibility

LEGO® MINDSTORMS® Education EV3 uses the same LEGO® Technic elements and RJ12 connector cables as the MINDSTORMS® Education NXT, so all your existing sensors, motors and building elements will work with the new platform – you can even program your NXT brick using the new EV3 software!



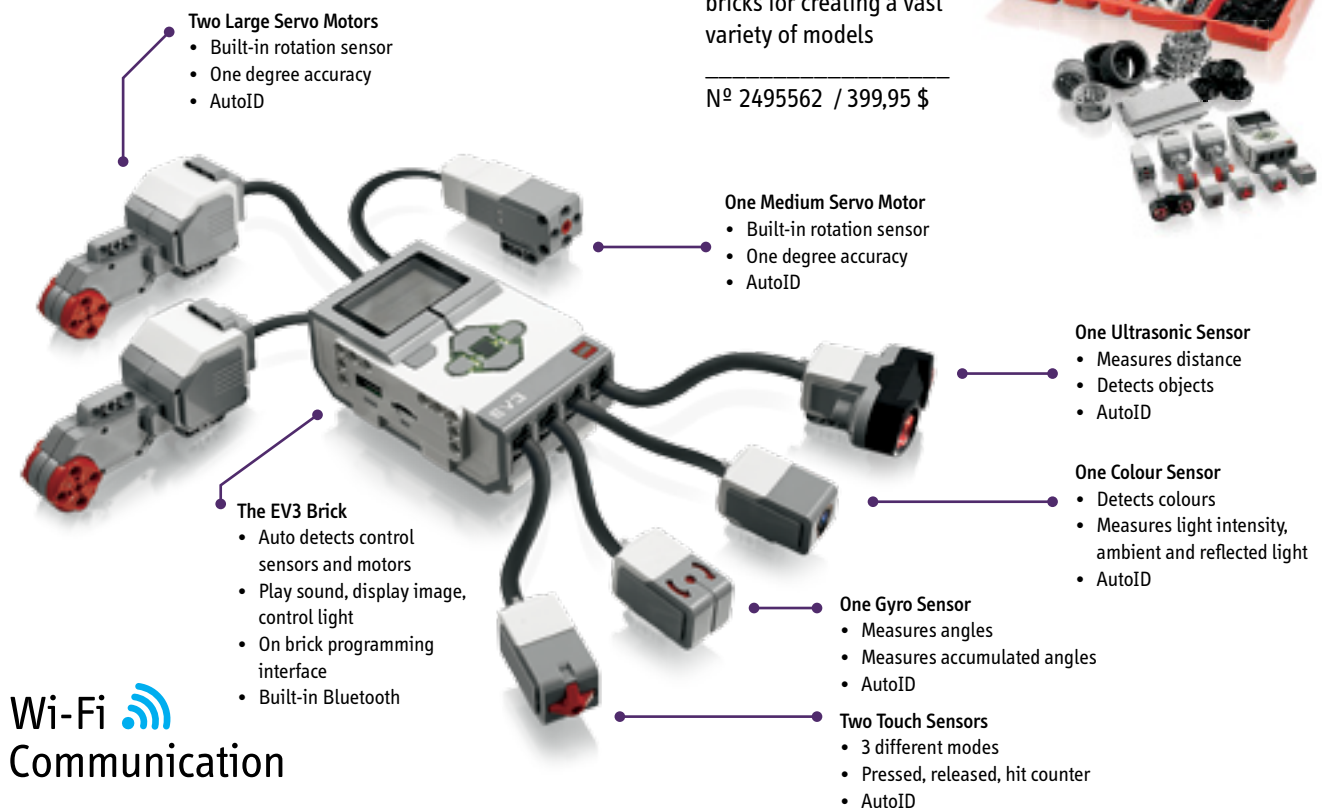
Education EV3 Core Set

This core set is optimized for classroom use and contains all you need to teach using the exciting LEGO® MINDSTORMS® set. It enables students to build, program and test their solutions based on real life robotics technology. It contains the EV3 Intelligent Brick, a powerful small computer that makes it possible to control motors and collect sensor feedback. It also enables BT and WiFi communication as well as providing programming and data logging.

The set includes:

- Three interactive servo motors
- Built-in rotation sensor and ultrasonic sensor
- Color/light sensor, gyro sensor and two touch sensors
- Rechargeable battery
- Ball wheel
- Connecting cables
- Building instructions
- LEGO Technic building bricks for creating a vast variety of models

Nº 2495562 / 399,95 \$



Education EV3 Expansion Set

This set contains a wide range of elements and is an ideal complement to the EV3 Core Set. It has been designed to allow students to take their experience with robotics to the next level. There are plenty of special elements here, such as different gears, a large turntable, robot personalization parts and unique structural elements. These are joined by many extra standard elements like beams, axles and connectors. Take your robot builds to the next level with a wide range of elements that allow you to build and program MINDSTORMS Education models with even more functions than ever before.

Nº 2495570 / 114,95 \$

LEGO Mindstorms Education EV3 Software

A World of Exciting Possibilities!

The LEGO® MINDSTORMS® Education EV3 software is based on LabVIEW, the industry-leading graphical programming language used by scientists and engineers worldwide. Our software is optimised for classroom usage and follows the very latest developments in intuitive software design, which results in an extremely user-friendly interface.

- Intuitive icon base programming
- Easy to learn, use and understand
- Intuitive Drag and Drop programming
- From simple to complex programs
- Comprehensive teacher guide

PC Compatible (XP SP2+) and Mac Compatible (10.5+)
LME EV3 1.0 – single user license (bilingual)

2495588 114,95 \$

LME EV3 1.0 – multi user license (bilingual)

2495596 459,95 \$



Data Logging

Powerful science tool for scientific inquiry. Predict, collect, analyse and manipulate data & carry out experiments.



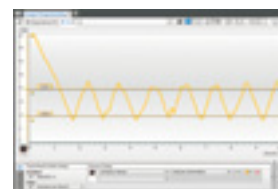
Data logging

- Predict, Collect and Analyse
- Log data and view Live Graphs
- Basic & advanced analysis tools
- Easily export data to spreadsheets



Graph manipulation

- Unique calculator interface
- 3 dataset average
- From one value to another
- From Rotational counts via Speed to Acceleration



Graph programming

- Execute actions based on data readings
- Unique new LEGO® feature
- Makes science experiments come alive
- Increase student understanding of graphs/data



LEGO® MINDSTORMS® Education EV3 software

A world of exciting possibilities! The LEGO® MINDSTORMS® Education EV3 software is based on LabVIEW, the industry-leading graphical programming language used by scientists and engineers worldwide. Our software is optimised for classroom use and follows the latest developments in intuitive software design, which results in an extremely user-friendly interface.

- Intuitive icon base programming
- Easy to learn, use and understand
- Intuitive Drag and Drop programming
- From simple to complex programs
- Comprehensive teacher guide

PC Compatible (XP SP2+) and Mac Compatible (10.5+)

Single User License 2495588

Multi-User License 2495596

Robot C EV3 Software

Robot C is an alternative programming environment for your Lego® robots. This C-based programming interface, commonly used in the industry, works with both EV3 and RCX robots.

System requirements for Microsoft Windows only:

- Windows XP, 7 or Vista, Pentium processor 1 GHz minimum (1.5 GHz recommended)
- 256 Mb RAM minimum (512 Mb recommended)
- 300 Mb hard drive memory

Available in 2014, visit bb.ca for more information.

Age: 14 +

Single User License

2496230

School License

2496248

LabVIEW Education Software EV3

This powerful graphical system design software, widely used in industry, is optimized for use with the latest in educational robotics hardware, such as LEGO® MINDSTORMS® EV3 robots. With instructional videos, tutorials and multilevel programming, students learn to control robots, just like real engineers. Available from July.

Computer configuration:

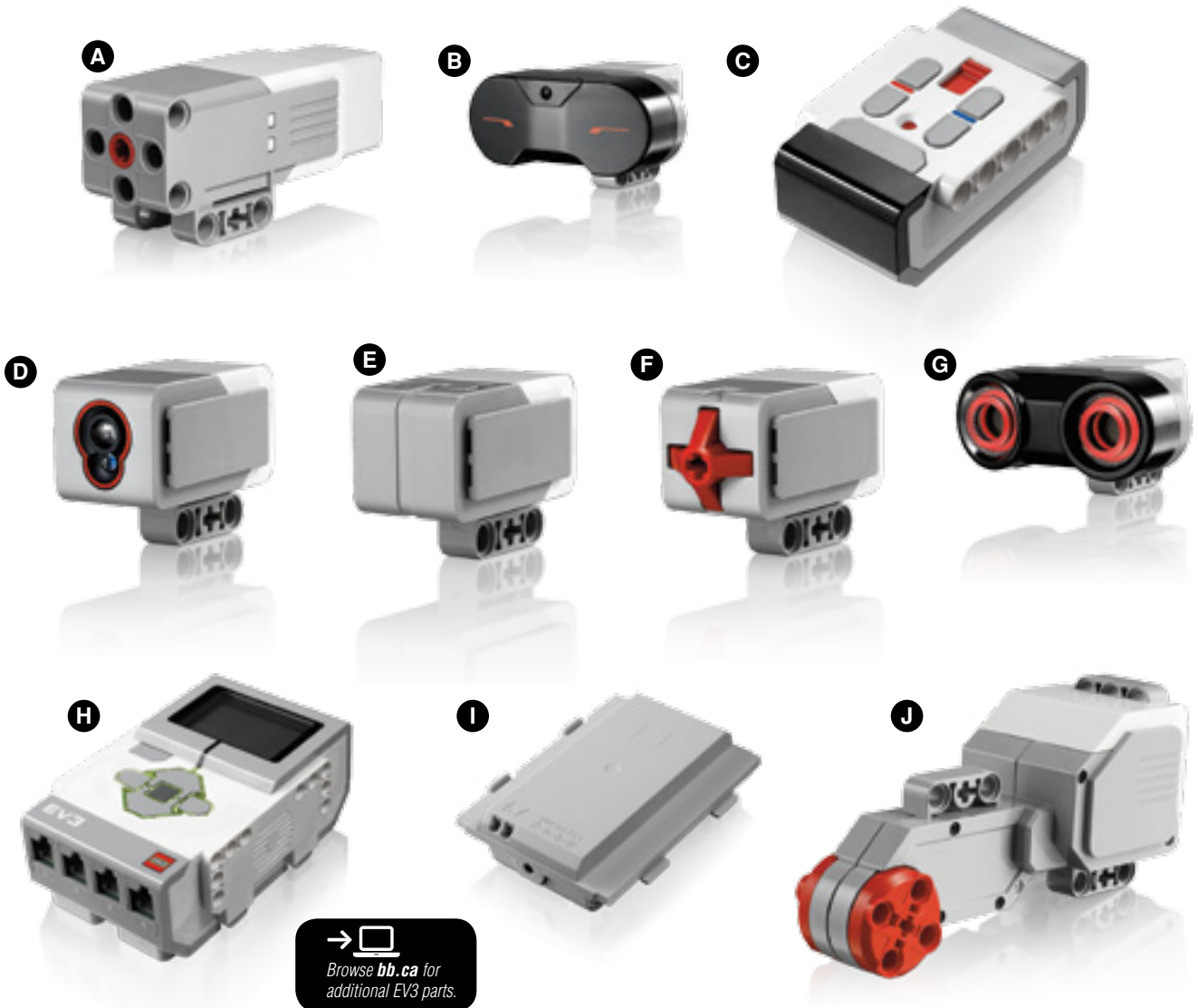
- Windows XP Vista 7
- Mac OS 10.5 +
- 1 Gb RAM
- 1.6 Gb Hard disk space

Single User License

2496255

School License

2496263



A LEGO® MINDSTORMS® Education EV3 Medium Servo Motor

The EV3 Medium Servo Motor is great for lower-load, higher speed applications and when faster response times and a smaller profile are needed in the robot's design. The motor uses tach feedback for precise control within one degree of accuracy and has a built-in rotation sensor.

18⁹⁵ 2495612

B LEGO® MINDSTORMS® Education EV3 IR Sensor

The digital EV3 Infrared Seeking Sensor detects proximity to the robot and reads signals emitted by the EV3 Infrared Beacon.

34⁹⁵ 2495620

C LEGO® MINDSTORMS® Education EV3 IR Beacon

Designed for use with the EV3 Infrared Seeker Sensor. The beacon emits an infrared signal which the sensor can track.

34⁹⁵ 2495638

D LEGO® MINDSTORMS® Education EV3 Color Sensor

The digital EV3 Color Sensor distinguishes between eight different colors. It also serves as a light sensor by detecting light intensities.

41⁹⁵ 2495646

E LEGO® MINDSTORMS® Education EV3 Gyro Sensor

The digital EV3 Gyro Sensor measures the robot's rotational motion and changes in its orientation.

34⁹⁵ 2495653

F LEGO® MINDSTORMS® Education EV3 Touch Sensor

The analog EV3 Touch Sensor is a simple but exceptionally precise tool that detects when its front button is pressed or released and is able to count single and multiple presses.

22⁹⁵ 2495661

G LEGO® MINDSTORMS® Education EV3 Ultrasonic Sensor

The digital EV3 Ultrasonic Sensor generates sound waves and reads their echoes to detect and measure distance from objects.

34⁹⁵ 2495679

H LEGO® MINDSTORMS® Education EV3 Intelligent Brick

This programmable, intelligent brick serves as the heart and brain of LEGO® MINDSTORMS® Education EV3 robots. It features an illuminated six-button interface that changes color to indicate the brick's active state, a high-resolution black and white display, built-in speaker, USB port, a mini SD card reader, four input ports and four output ports. The brick also supports USB, Bluetooth and WiFi communication with a computer and has a programming interface that enables programming and data logging directly onto the brick. It is compatible with mobile devices and is powered by AA batteries or the EV3 Rechargeable DC Battery.

183⁹⁵ 2495687

I LEGO® MINDSTORMS® Education EV3 Rechargeable DC Battery

The lithium ion EV3 Rechargeable DC Battery is designed for use with the EV3 Intelligent Brick and features a capacity of 2050 mAh. It provides longer run time than AA batteries and can be charged without taking the model apart. The battery is included in the EV3 Education Core Set and has a charge time of around three to four hours. It requires the DC Charger, which is the same charger used for the rechargeable NXT DC Battery.

68⁹⁵ 2495703

J LEGO® MINDSTORMS® Education EV3 Gyro Sensor

The digital EV3 Gyro Sensor measures the robot's rotational motion and changes in its orientation.

34⁹⁵ 2495653

EV3 – Related Products



A EV3 Space Challenge Combo Pack

Designed for use with the LEGO® MINDSTORMS® Education EV3 Core Set (2495562) and EV3 Software (2495588), this Combo Pack will introduce your students to robotics with a very current and real-world theme: traveling to and living on Mars! The LEGO MINDSTORMS Content Editor features all the tools students need to document and present their findings and results as they progress through the material.

Includes: (3) 91.4 x 61 cm learning mats, (1) 182 x 122 cm challenge mat, a large number of LEGO® elements for building the challenge models, 30+ hours of activities (including challenge missions developed with input from NASA and research projects co-developed with NASA), and detailed teacher notes.

384⁹⁵ 2496198

B LEGO® MINDSTORMS® Education EV3 Technological Vocabulary Poster

Features the names of the components of the EV3 Robotics Set. Bilingual.

10⁹⁵ 2495836

LEGO® MINDSTORMS® Education EV3 Design Engineering Projects

New from LEGO® Education for the EV3 platform is Design Engineering Projects, a curriculum package with 30 hours of classroom instruction and open-ended problem-solving activities that make learning of science, technology, engineering and mathematics through real-life robotics engaging and fun for students.

Not shown **344⁹⁵** 2495604

EV3 Sets



B Exclusive

EV3 ROBOTICS – Workstation

→ For 2 to 4 students

- | | | |
|---|--|---------------------|
| 1 | LME EV3 1.0 single license software (bilingual)
[2495588] | Value of: 114,95 \$ |
| 1 | LEGO MINDSTORMS Education EV3 Set
[2495562] | Value of: 399,95 \$ |

Regular price: 514,90 \$

For \$5 extra:

- | | |
|---|---|
| 1 | EV3 Technological Vocabulary Poster (bilingual)
[2495836] – value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters – value of \$19.95 |

Promo : 519,90 \$

EV3 ROBOTICS – Workstation + bonus → 2495752

EV3 ROBOTICS – Basic Classroom Solution

→ For 2 to 4 students per set

- | | | |
|---|--|-----------------------|
| 1 | LME EV3 1.0 multi user license software (bilingual)
[2495596] | Value of: 459,95 \$ |
| 8 | LEGO MINDSTORMS Education EV3 Sets
[2495562] | Value of: 3 199,60 \$ |

Regular price: 3 659,55 \$

Promo : 3 599,90 \$

To order →

2495901

For \$5 extra:

- | | |
|---|---|
| 1 | EV3 Technological Vocabulary Poster (bilingual)
[2495836] – value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters – value of \$19.95 |

Promo : 3 604,90 \$

EV3 ROBOTICS – Basic Classroom
Solution + bonus →

2495760

EV3 ROBOTICS – Basic Plus Classroom Solution

→ For 2 or 3 students per set

- | | | |
|----|--|-----------------------|
| 1 | LME EV3 1.0 multi user license software (bilingual)
[2495596] | Value of: 459,95 \$ |
| 12 | LEGO MINDSTORMS Education EV3 Sets
[2495562] | Value of: 4 799,40 \$ |

Regular price: 5 259,35 \$

Promo : 5 165,90 \$

To order →

2495919

For \$5 extra:

- | | |
|---|---|
| 1 | EV3 Technological Vocabulary Poster (bilingual)
[2495836] – value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters – value of \$19.95 |

Promo : 5 170,90 \$

EV3 ROBOTICS – Basic Plus
Classroom Solution + bonus →

2495786

EV3 ROBOTICS – Complete Classroom Solution

→ For 2 to 4 students per set

- | | | |
|---|--|-----------------------|
| 1 | LME EV3 1.0 multi user license software (bilingual)
[2495596] | Value of: 459,95 \$ |
| 8 | LEGO MINDSTORMS Education EV3 Sets
[2495562] | Value of: 3 199,60 \$ |
| 4 | LEGO MINDSTORMS Education EV3 Expansion Sets
[2495570] | Value of: 459,80 \$ |

Regular price: 4 119,35 \$

Promo : 4 051,85 \$

To order →

2495935

For \$25 extra:

- | | |
|---|--|
| 1 | Robotics Challenge Mat #3 – Basic EV3 Challenges
[2495844] – value of \$82.95 |
| 1 | EV3 Technological Vocabulary Poster (bilingual)
[2495836] – value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters – value of \$19.95 |

Promo : 4 076,85 \$

EV3 ROBOTICS – Complete
Classroom Solution + bonus →

2495794

EV3 ROBOTICS – Complete Plus Classroom Solution

→ For 2 or 3 students per set

- | | | |
|----|--|-----------------------|
| 1 | LME EV3 1.0 multi user license software (bilingual)
[2495596] | Value of: 459,95 \$ |
| 12 | LEGO MINDSTORMS Education EV3 Sets
[2495562] | Value of: 4 799,40 \$ |
| 6 | LEGO MINDSTORMS Education EV3 Expansion Sets
[2495570] | Value of: 689,70 \$ |

Regular price: 5 949,05 \$

Promo : 5 841,85 \$

To order →

2495943

For \$25 extra:

- | | |
|---|--|
| 1 | Robotics Challenge Mat #3 – Basic EV3 Challenges
[2495844] – value of \$82.95 |
| 1 | EV3 Technological Vocabulary Poster (bilingual)
[2495836] – value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters – value of \$19.95 |

Promo : 5 866,85 \$

EV3 ROBOTICS – Complete
Plus Classroom Solution + bonus →

2495802



A LEGO Mindstorms Education NXT Software version 2.1

This powerful, easy-to-use software for programming and data logging is icon-based and incorporates Robot Educator, a step-by-step guide with 46 tutorials, from beginner to advanced levels. Data-logging functionalities, including graph viewer, make it easy to collect and analyze data from sensors. The software incorporates a comprehensive digital user manual.

System requirements for Microsoft Windows and Apple:

- Windows XP, 7 or Vista, Pentium processor 1 GHz minimum (1.5 GHz recommended)
- Apple OS X, version 10.4, 10.5, 10.6+
- 215 Mb RAM minimum (512 Mb recommended)
- 700 Mb hard disk storage

95⁹⁵ 2491009
395⁹⁵ 2491348

B LEGO® MINDSTORMS® Education NXT Base Set

This essential core 437-piece set includes:

- 1 NXT Intelligent brick
- 1 rechargeable lithium battery and 1 charger
- 3 servo motors (each with 1 built-in rotation sensor)

- 1 light sensor, 1 sound sensor, 1 ultrasonic sensor and 2 touch sensors
- 3 converter cables (for using existing sensors and motors with the NXT Brick)
- 7 connector cables (one .2M, two .5M, four .35M)
- 3 lights
- 1 USB cable for program transmission
- Hundreds of LEGO® Technic building elements
- 1 plastic storage bin with sorting trays

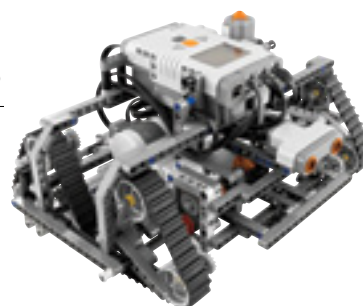
For students from Grade 3 and up

355⁰⁰ 2491215

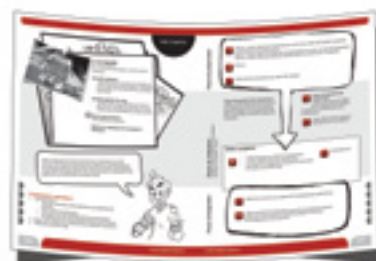
C LEGO® MINDSTORMS® Education – Education Resource Set

This versatile set includes 817 Technic building elements. The set was specifically designed to complement the LEGO® MINDSTORMS® Education NXT Base Set, as well as the Mechanisms Set. Use this to build bigger and more complex robots and complete more challenging engineering projects. The set comes complete with a plastic storage bin and sorting trays.

107⁹⁵ 2492981



Browse **bb.ca** for the Robot C and Labview softwares.



A Introduction à la robotique pédagogique sur CD – leçons et activités (French only)
35⁹⁵ 2493336

C LEGO® Affiches pédagogiques (French only)
19⁹⁵ 2495315

B LEGO® NXT Education – Science Et Acquisition (French only)

Highly comprehensive tutorial designed to integrate data gathering and analysis into your teaching curriculum. Features 5 projects with clips, worksheets and teacher introduction materials. Activities are divided into 4 themes, to measure: speed, temperature, and sound and light frequency. Centered on experimentation and problem-solving, this interactive CD transforms your robotics equipment into a scientific laboratory. Available in French only.

258⁹⁵ 2492635

D La robotique pédagogique en classe (French only)
69⁹⁵ 2492684

E LEGO® MINDSTORMS® Education – Intelligent NXT Brick

This programmable intelligent brick serves as the brain for LEGO® Education robots. The brick features four input ports for taking in data, and three output ports for distributing the data as commanded. Students transfer their programs from the computer to the brick using a USB cable or by using Bluetooth technology. With on-brick programming, a 32-bit microprocessor, this intelligent brick is ready for anything students might create! The brick is powered by six AA batteries or the NXT Rechargeable Battery (see 2492957).

195⁹⁵ 2491058

NXT Rechargeable Battery and Adapter

For use with the NXT Intelligent Brick. 1400 mAh. The battery will charge from 0 to full in a maximum of four hours. AC Adapter to charge the battery is sold separately.

F Battery 80⁹⁵ 2492957
G Adapter 25⁹⁵ 2339372

H NXT Poster on Technological Vocabulary

Shows the name of the parts included in the NXT set. Bilingual.

10⁹⁵ 2491355

NXT Sets



Exclusive

NXT ROBOTICS – Workstation

→ For 2 to 4 students

- | | | |
|---|---|---------------------|
| 1 | LME NXT software version 2.1 (single user)
(bilingual) [2491009] | Value of: 95,95 \$ |
| 1 | LEGO Mindstorms NXT Education Set
[2491215] | Value of: 355,00 \$ |

Regular price: 450,95 \$

For \$5 extra:

- | | | |
|---|--|------------------|
| 1 | NXT Technological Vocabulary Poster
(bilingual) [2491355] | Value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters
[2495315] | Value of \$19.95 |

Promo : 455,95 \$

NXT ROBOTICS – Workstation + bonus → 2493153

NXT ROBOTICS – Basic Classroom Solution

→ For 2 to 4 students per set

- | | | |
|---|--|----------------------|
| 1 | LME NXT software version 2.1 (multi user)
(bilingual) [2491348] | Value of: \$390.95 |
| 8 | LEGO Mindstorms NXT Education Sets
[2491215] | Value of: \$2,840.00 |

Regular price: 3 230,95 \$

To order →

Promo : 3 166,95 \$

2495968

For \$5 extra:

- | | | |
|---|--|------------------|
| 1 | NXT Technological Vocabulary Poster
(bilingual) [2491355] | Value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters
[2495315] | Value of \$19.95 |

Promo : 3 171,95 \$

NXT ROBOTICS – Basic Classroom
Solution + bonus →

2493161



NXT ROBOTICS – Basic Plus Classroom Solution

→ For 2 or 3 students per set

- | | | |
|----|--|----------------------|
| 1 | LME NXT software version 2.1 (multi user)
(bilingual) [2491348] | Value of: \$390.95 |
| 12 | LEGO Mindstorms NXT Education Sets
[2491215] | Value of: \$4,260.00 |

Regular price: 4 650,95 \$

To order →

Promo : 4 531,90 \$

2495976

For \$5 extra:

- | | | |
|---|--|------------------|
| 1 | NXT Technological Vocabulary Poster
(bilingual) [2491355] | Value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters
[2495315] | Value of \$19.95 |

Promo : 4 536,90 \$

NXT ROBOTICS – Basic Plus
Classroom Solution + bonus →

2493179

NXT ROBOTICS – Complete Classroom Solution

→ For 2 to 4 students per set

- | | | |
|---|---|----------------------|
| 1 | Resource Set including 817 pieces
[2492981] | Value of: \$107.95 |
| 1 | LME NXT software version 2.1 (multi user)(bilingual)
[2491348] | Value of: \$390.95 |
| 8 | LEGO Mindstorms NXT Education Sets
[2491215] | Value of: \$2,840.00 |

Regular price: 3 338,90 \$

To order →

Promo : 3 275,85 \$

2495984

For \$75 extra:

- | | | |
|---|---|------------------|
| 1 | La robotique pédagogique en classe, resource guide
by Yannick Dupont et al, 304 pages (in French)
[2492684] | Value of \$69.95 |
| 1 | Guide d'initiation à la robotique pédagogique sur CD,
leçons et activités (in French)
[2493336] | Value of \$34.95 |
| 1 | Robotics Challenge Mat #1
[2490035] | Value of \$82.95 |
| 1 | NXT Education Technological vocabulary poster
[2491355] | Value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters
[2495315] | Value of \$19.95 |

Promo : 3 350,85 \$

NXT ROBOTICS – Complete
Classroom Solution + bonus →

2493187

NXT ROBOTICS – Complete Plus Classroom Solution

→ For 2 or 3 students per set

- | | | |
|----|---|----------------------|
| 1 | Resource Set including 817 pieces
[2492981] | Value of: \$107.95 |
| 1 | LME NXT software version 2.1 (multi user)(bilingual)
[2491348] | Value of: \$390.95 |
| 12 | LEGO Mindstorms NXT Education Sets
[2491215] | Value of: \$4,260.00 |

Regular price: 4 758,90 \$

To order →

Promo : 4 639,85 \$

2495992

For \$75 extra:

- | | | |
|---|---|------------------|
| 1 | La robotique pédagogique en classe, resource guide
by Yannick Dupont et al, 304 pages (in French)
[2492684] | Value of \$69.95 |
| 1 | Guide d'initiation à la robotique pédagogique sur CD,
leçons et activités (in French)
[2493336] | Value of \$34.95 |
| 1 | Robotics Challenge Mat #1
[2490035] | Value of \$82.95 |
| 1 | NXT Education Technological vocabulary poster
[2491355] | Value of \$10.50 |
| 1 | Set of 2 B&B Educational Posters
[2495315] | Value of \$19.95 |

Promo : 4 714,85 \$

NXT ROBOTICS – Complete Plus
Classroom Solution + bonus →

2493229



A Challenge Mat #1

This playing field for robots offers 10 exciting challenges for the students. Vinyl-made. Activity leaflet included. 91 x 244 cm (3' x 8'). For NXT and RCX robots.

85⁹⁵ 2490035

B Robotics Challenge Mat #2 – Save the Polar Bears

Get ready for a big adventure! The students' mission is to save the polar bears from the perils of global warming, the sea ice melting. More than 15 challenges presented. Vinyl-made. Activity leaflet included. 91 x 244 cm (3' x 8'). For NXT and RCX robots.

82⁹⁵ 2490738

C Robotics Challenge Mat #3

This work surface allows you to take full advantage of the EV3 Brick's functional capabilities. This all-vinyl, highly-durable new Challenge Mat is the ideal teaching complement. Optimized for LEGO® MINDSTORMS® Education EV3 and works with RCX and NXT.

122 x 244 cm (4' x 8'). **85⁹⁵** 2495844

D The Green City Challenge Set

This robotics challenge involves building an energy-efficient city and programming robots to complete tasks such as powering a wind turbine and closing a dam. The set includes 3 training mats, a challenge mat, and more than 1,300 components to build a variety of green city models. This is an Add-on set to the LEGO® MINDSTORMS® Education Base Set (see 2491215) and Software (see 2491009 & 2491348) and requires the LEGO® MINDSTORMS® Activity Pack for Green City (see 2493088). Also works with EV3.

188⁹⁵ 2493054

E The Green City Challenge Activity Pack

This CD offers step-by-step introduction to robotics in the classroom or a preparation for robotics competitions. The seven easy-to-follow training activities each supported by student worksheets guide the students from simple to more advanced programming. Students are then challenged to apply their programming and problem-solving skills by making their robots solve real-world engineering challenges related to renewable energy.

178⁹⁵ 2493088

F Sumo Playing Field

Playing field of 122 x 122 cm for your robotized Sumo-like combats. Vinyl made. Teacher's notes included.

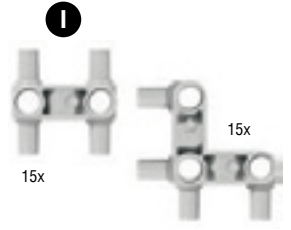
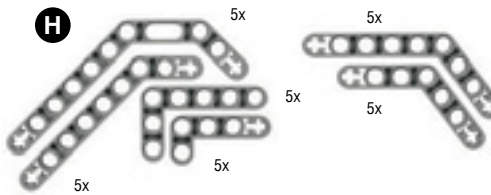
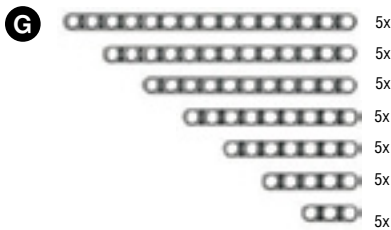
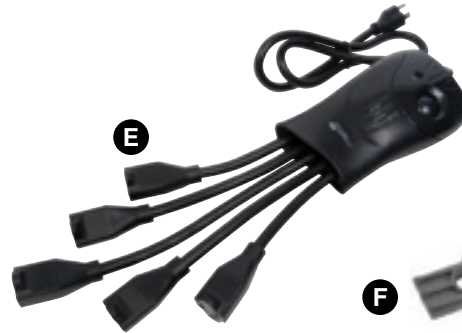
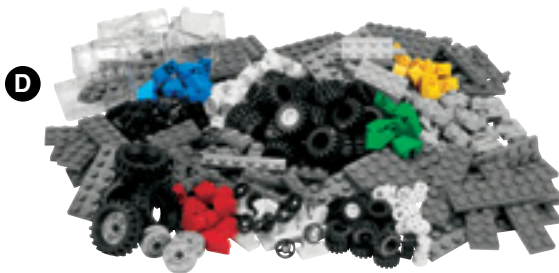
72⁹⁵ 2495323

G Acrobot Challenge Mat

Official Zone 01 Robocircus challenge mat. Let 1 or more robots dance to music on this 122 x 244 cm mat.

129⁹⁵ 2496065

LEGO Parts



A LEGO – Storage bin

Large storage bin made of sturdy plastic, with drainage holes so that LEGO elements can be washed directly in the container. Stackable. Blue, with transparent lid. 42 x 30.5 x 26 cm high.

21¹⁵ 2470540

B Storage system

Clever, convenient rack system features 4 utility boxes, bulk storage under the lid, clear front cover. Made of high-impact resistant plastic. 33.3 x 25 x 35 cm high. A complete EV3 or NXT set (and more) can be stored in this box.

68⁹⁵ 2117513

C Utility box with compartments

Sturdy plastic box features 6-21 adjustable compartments. With stable and safe latching system. Easily store and retrieve a variety of small accessories. Clear. 27.5 x 18 x 4.5 cm.

9⁹⁵ 2117521

D LEGO – Wheel Set

286-piece set includes tires in 4 different sizes along with plates, axles and wheel hubs to make up to 16 different vehicles at the same time.

51⁹⁵ 2470037

E LEGO® MINDSTORMS® Education – Octopus Extension

5-port hub for EV3 or NXT Brick chargers.

23⁹⁵ 2490274

F LEGO® Education – Track and Sprocket

LEGO® Education – Movement parts. Tracks (100 units) and sprocket (10 units).

13⁹⁵ 2490498

G LEGO® Education – Studless Technic Beams

5 units of each of the 7 sizes (35 pieces in total).

14⁹⁵ 2490795

H LEGO® Education – Technic Angle Beams

5 units of each of the 6 sizes (30 pieces in total).

13⁹⁵ 2490803

I LEGO® Education – Technic Beams with Snaps

2 different sizes, 15 units each, for a total of 30 pieces.

13⁹⁵ 2490811

J Technic – Tank Tread Pack

Add tank treads to your LEGO® MINDSTORMS® Education creations. Ideal for conveyors, treaded robots, drive belts, and more. Includes 2 bands and 4 wheels.

12⁹⁵ 2495869

K Technic – Ball Pivot Parts Pack

Pack of 2 ball pivot assemblies.

19⁹⁵ 2496206

L EV3 – Tire Parts Pack

Pack of (4) exterior ø 5.6 cm tires with 4 rims.

24⁹⁵ 2496214



**A LEGO® MINDSTORMS®
Education – Infrared Sensor**

Detects infrared signals emitted by a variety of sources. Also detects their position, which makes it perfect for robot soccer competitions, using the Infrared electronic ball (see 2495273).

62⁹⁵ 2490530

**B LEGO® MINDSTORMS®
Education – NXT Gyro Sensor**

The NXT Gyro Sensor contains a single-axis gyroscopic sensor that detects rotation and returns a value representing the number of degrees per second of rotation, allowing the NXT to measure the additional dimension of rotation.

62⁹⁵ 2490555

**C LEGO® MINDSTORMS®
Education – NXT Color Sensor**

Add a spectrum of color to your models with this sensor! Detects a range of 17 target colors.

62⁹⁵ 2492585

**D LEGO® MINDSTORMS®
Education – NXT Color Sensor**

The NXT Color Sensor is able to perform three unique functions. It acts as a color sensor, distinguishing among six colors; it works as a light sensor, detecting light intensities – both reflected light and ambient light; and it works as a color lamp, emitting red, green, or blue light.

44⁹⁵ 2492940

**E LEGO® MINDSTORMS®
Education – NXT Servo Motor**

This motor uses a servo for precise control – within one degree. It features a built-in rotation sensor.

28⁹⁵ 2491066

**F LEGO® MINDSTORMS®
Education – NXT Bluetooth Dongle**

EV3 and NXT bricks can receive programs two ways – through a Bluetooth signal, or through a USB cable. If you choose to use Bluetooth but your computer isn't Bluetooth enabled, then this small Dongle is your answer. Plug it into a USB port on your computer, and you'll be able to communicate with the NXT Brick using Bluetooth technology.

49⁹⁵ 2491124

**G LEGO® MINDSTORMS®
Education – NXT temperature probe**

Measures the temperature of ambient air or liquid solutions, between -20°C and 120°C.

44⁹⁵ 2492239

**H LEGO® MINDSTORMS®
Education – NXT sound sensor**

This sophisticated sensor provides a new stimulus for directing a robot's actions. The sensor measures dB and dBA, and recognizes sound patterns and tones.

40⁹⁵ 2491108

**I LEGO® MINDSTORMS®
Education – USB Cable**

Ensures a fast and easy connection between the NXT Brick and the computer. 91 cm long (3').

7⁴⁵ 2493815

**J LEGO® MINDSTORMS®
Education – NXT light sensor**

The NXT Light Sensor is sensitive and precise. It reads light intensity from the surrounding environment, as well as the reflection from the infrared transmitter. The IR light source can be turned off for an accurate ambient light reading.

28⁹⁵ 2491082

**K LEGO® MINDSTORMS®
Education – NXT Compass Sensor**

Tell your robots exactly where they should go with this sensor. This digital compass measures Earth's magnetic field in order to provide accurate navigation to your NXT projects.

62⁹⁵ 2491421

L Motor controller

This assembly kit allows your NXT brick to send current to and control any type of motor (from the tiny computer fan to the power drill motor). Soldering required.

79⁹⁵ 2495299

**M LEGO® MINDSTORMS®
Education – HiTechnic Magnetic Sensor**

The HiTechnic Magnetic Sensor will enable you to build robots that can detect magnetic fields.

26⁹⁵ 2493278

**N LEGO® MINDSTORMS®
Education – Infrared Ball**

The ball contains 20 infrared LEDs that are positioned to eliminate blind spots and make sure the IR signal can be detected by your robot.

80⁹⁵ 2495273

EV3 First Steps Training Session

EV3 is the new LEGO Education robotics set. Based on NXT, this next generation platform features several additional capabilities offering a full teaching solution to engage students in a number of key curriculum areas.

EV3 is the first robotics set specifically designed for classroom use.

This training session will cover school robotics basic concepts and include a full description of the new robotics set, pieces and new software. Of course, much of the time will be devoted to using the materials and programming your robot.

Key Points

- Introduction to robotics
- Description of the robotics materials
- Classroom organization
- Construction of a first robot
- Programming
- First challenges with sensors
- Data logging capabilities
- Content management capabilities

School Robotics Training Session		
EV3 – First Steps	749,95 \$	2430114

School Robotics Training Session		
EV3 – Beyond the First Steps	749,95 \$	2430122



NXT Robotics Introduction Class

Because everyone needs to start somewhere, here's an introduction workshop with a proven track record! In this session, basic robotics notions will be covered, as well as an in-depth description of the robotics set and general material organisation guidelines.

Naturally, the majority of the workshop is dedicated to hands-on manipulation of the material and programming software.

NXT Robotics		
Introduction Class	749,95 \$	2430023

NXT Advanced Robotics Workshop

You have already tried some appropriation activities and robotics challenges with your students and wish to go further? Perhaps you wish to be accompanied in your progression and feel the need to deepen your construction and programming knowledge.

We can help you put together a learning experience that will have lasting results for you and your students!

NXT Advanced		
Robotics Workshop	749,95 \$	2430031



Science & Technology



21

First steps in Technology

A



B

C



D



A Early Simple Machines Set III

With this set, young students build fun and simple models like a seesaw, rolling vehicle, spinning top, raft, and many more. By playing with and manipulating the models, they experience pulleys, levers, gears, and wheels and axles, while exploring energy, buoyancy, and balance. The set is designed for use by teams of two or three children. It includes full-color activity cards with pictorial instructions for eight models; a plastic punch-out sheet with eyes, sails, scales, and wings; and a plastic bin for

easy cleanup and storage. 102 Duplo size pieces. For 2 to 3 students. Early Simple Machines III Activity Pack CD sold separately (2490068).

149⁹⁵ 2490084

B Early Simple Machines Set III – Activity Pack CD

More than a dozen problem-solving activities.

41⁹⁵ 2490068

C Duplo® – Early Structures Set

Students learn basic structures concepts with hands-on exploration! Concepts include balance within structures, ways of building structures, and stability. By building a variety of models, children can determine what is the best shape for the job. It's ideal for developing design and problem-solving skills. The set is designed for use by teams of two to three children. In addition to the elements, it includes teacher notes with support for 16 activities, 14 investigation and problem-solving cards, and an inventory list. 107 pieces.

114⁹⁵ 2461267

D DUPL0 – Tech Machines

Enhance early engineering skills with lots of versatile elements such as reels, hooks, scoops and cranes, 4 screwdrivers and integrated, clicking screws. Sturdy, 95-piece DUPL0 set includes activity starter cards and a teacher's booklet. In a storage bin.

206⁹⁵ 2495505



A



B



C



D



A Simple and Motorized Machines Set

Combining the Science & Technology Base Set with the Power Add-On Set, students have the ability to build 18 different models, demonstrating various physical science and technology concepts. 396 pieces. 6 AA batteries necessary (not included). For 2 to 4 students. The set is appropriate for 3rd grade and up.

172⁹⁵ 2491264

B LEGO® Education – Simple and Motorized Mechanisms Activity Pack

The activity pack comes in a three-ring binder and includes twelve 45-minute lessons, four extension activities, worksheets, a glossary, teacher notes, and animations on CD-ROM. Also included are four lesson plans and two additional extension activities.

140⁹⁵ 2494987

C LEGO® Education – Simple Machines Set

This hands-on set is an excellent solution for introducing students to key simple machines and physical concepts such as gears, pulleys, levers, and wheels and axles through observation, reasoning, prediction, and critical thinking required to create simple to more complex models. Includes 204 elements and building instructions with element overview for easier model building and classroom management. From 1st grade.

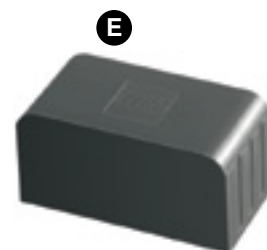
68⁹⁵ 2493542

D LEGO® Education – Simple Machines Set Activity Pack

Features a series of 16 principle activities, 4 main activities, and 4 problem-solving hands-on activities. Includes teacher notes, student worksheets, images for classroom use, classroom management tips, and a glossary.

74⁹⁵ 2493559

Energy and Pneumatics



A LEGO® Education – Renewable Energy Add-On Set

With this add-on set for the Simple and Motorized Mechanisms Set (see 2491264), students explore renewable energy sources; investigate energy supply, transfer, accumulation, conversion, and consumption; and use measurements and data analysis to describe and explain outcomes through hands-on activities and exciting, real-life models. The set can also be combined with the LEGO® MINDSTORMS® Education EV3 or NXT Base set (see 2495562 and 2491215) to experiment using the three main energy sources – solar, wind, and water – to generate, store, and use power. 12 pieces, including a solar panel, a generator and an energy meter. 3rd grade and up.

114⁹⁵ 2492759

B LEGO® Education – Renewable Energy Activity Pack

The Renewable Energy Activity Pack comes on a CD-ROM and includes six 45-minute

lessons and four problem-solving activities that enable students to explore renewable energy sources; investigate energy supply transfer accumulation conversion and consumption; and use measurements and data analysis to describe and explain outcomes.

77⁹⁵ 2492825

C LEGO® Education- Solar Panel

The LEGO® Solar Panel provides sufficient power to operate the LEGO Energy Meter and motors. It delivers 5V, 4mA in direct light from a 60W incandescent bulb positioned 25 cm from the solar panel (2000 lux).

49⁹⁵ 2493120

D LEGO® Education – Energy Display

This element displays energy storage level in joules and input and output in volts, watts, and amps. Combine with the LEGO® Energy storage (see 2493146) to form the LEGO® Energy Meter. Can also be used as a sensor with the EV3 or NXT Programmable bricks.

60⁹⁵ 2493138

E LEGO® Education – Energy Storage

This NiMH battery with connector is designed to be combined with the Energy display (see 2493138) to form the LEGO® Energy meter. Storage capacity: 150 mAh.

This NiMH battery with connector is designed to be combined with the Energy Display next. When combined the two elements form the LEGO® Energy Meter. Storage capacity: 150 mAh.

21⁹⁵ 2493146

F LEGO® Education – Pneumatics Add-On Set

The mechanisms Pneumatics Add-On Set is part of a complete package. Combining the set with the Motorized Mechanisms Set and Mechanisms Activity Pack enables you to carry out engaging cross-curricular activities. Your students will explore power systems and components, sequence and control, pressure, prototyping, kinetic and potential energy, and much more. The set and corresponding Mechanisms Pneumatics Activity Pack feature 14 principle

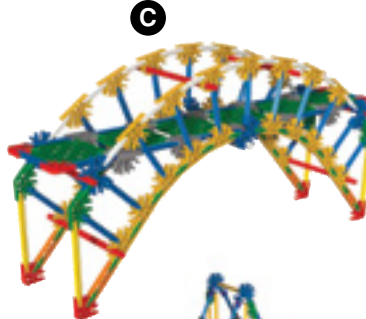
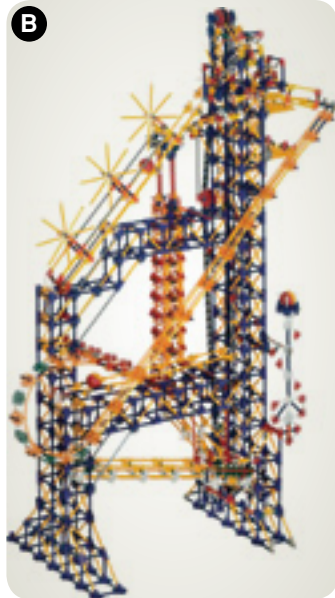
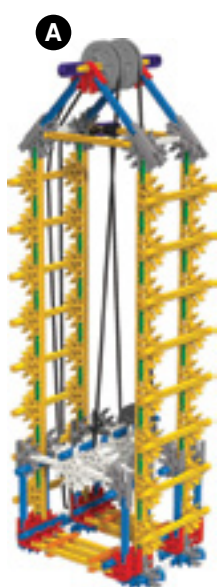
model activities that introduce students to the basics of pneumatics. In addition, four main models and activities and two additional open-ended problem-solving activities thoroughly educate students about pneumatics. The set features 32 specialty elements, including pumps, cylinders, valves, an air tank, tubes, and a manometer. The activity pack is delivered on CD-ROM and includes video clips of real-life machines printable worksheets and teacher materials.

63⁹⁵ 2490993

G LEGO® Education – Pneumatics Activity Pack

The Pneumatics Activity Pack comes on a CD-ROM and includes 14 principle model activities, four 45-minute pneumatics lessons each with extension activities, and two additional problem-solving tasks.

80⁹⁵ 2495356



K'Nex: children learn better with manipulatives

This is the reason why K'Nex proposes a variety of models to assemble, that teach various concepts through real-world applications, develop team-work aptitudes, problem-solving skills, as well as logic and critical thinking, bring students to trial and error method and lets them be creative and innovative.

A K'Nex – Simple Machines – Exploring Machines

Set of 1432 pieces to build 30 simple machine models with examples demonstrating levers, pulley systems, wheels and axles, inclined planes, screws, wedges and gears systems. Build 4 of each model type from colour-coded instructions simultaneously. Includes a 73-page teacher's guide. Comes in a plastic storage tub.

238⁹⁵ 2170900

B K'Nex – simple machines deluxe

Giant 3447 pieces set, including 1-12V motor, to build 60 fully-functioning models of levers, pulleys, gears, wheels/axles, inclined planes, screws and wedges. Also includes 5 individual teacher's guides with 57 lesson plans, and special instructions to build a 1.5 m tall Big Ball Factory. Comes in a plastic storage tub.

517⁹⁵ 2170959

C K'Nex – bridges

Set of 207 pieces for a group of 3 students working in a team. Build 13 different models of bridges, one at a time. Designed to study 7 main types of bridges: beam, truss, arch, cantilever, suspension, cable-stayed, movable-bascule. Comes in a plastic storage tub.

55⁹⁵ 2174886

D K'Nex – forces, energy, motion

Set of 790 pieces and 4 spring motors for 12 students working in teams of 4. Investigate potential and kinetic energy by building any one of these models simultaneously: rubber band roller, rubber band racer, spring motor turbo. Includes a 64-page teacher's guide. Comes in a plastic storage tub.

199⁹⁵ 2173300

E K'Nex – giant bridges

2282 piece set supports 6-8 students working in teams. Designed to build 7 huge replicas of real world bridges, one per bridge type, 2 at a time. Includes replicas of the Firth of Forth Cantilever Bridge (Scotland), Tower Bascule Bridge (London), Golden Gate Suspension Bridge (San Francisco), Chesapeake Bay Beam Bridge (Virginia Beach), Columbia River – Astoria Truss Bridge (Oregon), Sydney Harbor Arch Bridge (Australia) and the Dames Point Cable-Stayed Bridge (Jacksonville). Approximate length: 4 – 6 feet each. With features, statistics, etc. In a strong plastic storage case with built-in dividers.

305⁹⁵ 2174894

F K'Nex – wheels and axles

Set of 194 pieces for a group of 3 students working in a team. Build 8 different real world models, one at a time. Designed to understand how a wheel makes an axle turn and vice versa, as well as the use of inclined planes, screws and wedges. Comes in a plastic storage tub.

55⁹⁵ 2174860

G K'Nex – gears

Set of 182 pieces for a group of 2 to 3 students working in a team. Build 6 different real world models, one at a time. Designed to study 2 samples of spur gears, 2 samples of crown gears and 2 samples of chain-wheels. Comes in a plastic storage tub.

55⁹⁵ 2174878

H K'Nex – pulleys and levers

Set of 161 pieces for a group of 3 students working in a team. Build 8 different real world models, one at a time. Designed to study levers of the first, second and third type, as well as hoisting, moveable and combined blocks. Comes in a plastic storage tub.

55⁹⁵ 2174852

Structure

A



B



C



D



E



A Basic – Tractors

Build 2 tractor models and 1 dragster, all with functioning stub axle steering.

130-component set includes a play figure.

56⁹⁵ 2176568

B Profi – Da Vinci Machines

Recreate history! Themed set combines several mechanical models, whose origin goes back to designs from da Vinci: mechanical wings, swing bridge, catapult, and more. Build 10 models with this 260-component set which includes comprehensive information and a fascinating didactic activity booklet.

159⁹⁵ 2176592

C Profi – Technical Revolutions

Build an electric motor, cardan shaft, safety elevator, and generator. 270-component set comes with 1 XS motor, 1 battery tray for 9V block (battery not included), and a didactic activity booklet with additional background information.

219⁹⁵ 2176600

D Advanced – Universal 3

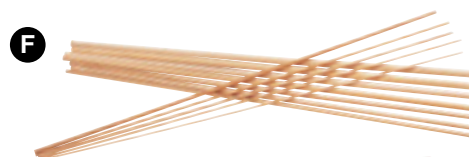
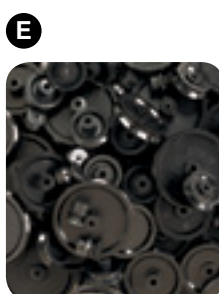
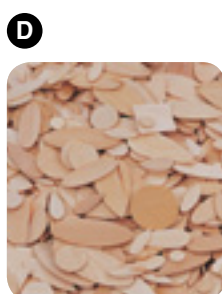
With this exciting construction site- and amusement park-themed set, build 40 models such as vehicles with steering, crane with cable winch, windmill with reduction gear, and more. Large, 500-piece count allows children to build several fun and familiar models simultaneously. Includes detailed, easy-to-understand assembly instructions.

199⁹⁵ 2176576

E Advanced – Rolling Action

Balls race on the unique flex-rails and can be accelerated and decelerated by a launching lever or the pre-tensioned catapult, cause chain reactions, shoot through loops and run over seesaws, or are moved back up by an elevator with counter weight. Build 6 different obstacle courses with this 270-component set which includes 11 flex-rails, 4 steel balls and detailed, easy-to-understand assembly instructions.

159⁹⁵ 2176584



A Bulk Gears, Wheels And Cams

Gear set offers 40-, 30-, and 20-tooth gears, with 5 mm bore to accommodate the most popular dowel size, and a 12-tooth gear with a push-fit to 2 mm motor shafts. Three inserts are provided, allowing the 5 mm bore to reduce to 3 mm. Gears are bevelled for 90° meshing. The 40-tooth gear has an additional hole to create an eccentric movement.

Pack of 300 **57⁹⁵** 2330363

B Simple Machines

Construct and explain 5 simple machines to explore effort, force, load, motion and distance. 63-piece set allows students to simultaneously build a lever, pulley, inclined plane, wheel and axle, and wedge, then modify the machines with 4 weights (two 5 g and two 10 g) and 8 rubber bands, all included. Labelled pieces assemble easily and separate to store. With an illustrated activity guide.

59⁹⁵ 2331932

C Conception et Système Technologique Activity Guide (French only)

The activities featured in this binder facilitate the integration of the technology with the classroom. Reproducible charts. In French only.

43⁹⁵ 2333888

D Wood Shapes

For all sorts of creative projects. Assorted 2D wooden geometrical shapes, ready to be glued.

Pack of 330 **10⁹⁵** 1202480

Pack of 990 **25⁹⁵** 1202498

E Assorted Pulleys

40, 30 and 20 mm diameter pulleys, with 3.2 mm bores (interior diameter), and one 10 mm pulley with a push-fit to 2 mm motor shaft, for a total of 4 pulleys. Pack of 100 (25 packs of 4 pulleys).

19⁹⁵ 2335305

F Wooden Dowels

Dowels used to build mobiles, puppets and a variety of structures. 60 cm long.

5 mm

Set of 6 **4⁷⁵** 1202779

3 mm

Set of 6 **4⁷⁵** 1202761

3, 5, 6, 8, 9 and 11 mm

Set of 12 **8²⁵** 1201607

Wooden Rods

Wooden Rods available in different sizes.

10 mm x 10 mm x 40 cm

Pack of 100 **29⁹⁵** 2333961

5 mm x 10 mm x 40 cm

Pack of 50 **21⁹⁵** 2333987

H Pulleys

Durable, light weight plastic pulleys. Low friction for accurate results. 50 mm.

Single Pulley **2²⁰** 2330447

Double Pulley **3⁷⁰** 2330439

I White String

20 ply. 1.13 kg.

32⁹⁵ 1150200

J Utility box with compartments

Sturdy plastic box features 6-21 adjustable compartments. With stable and safe latching system. Easily store and retrieve a variety of small accessories. Clear. 27.5 x 18 x 4.5 cm.

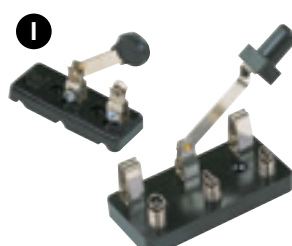
9⁹⁵ 2117521

K Storage Boxes with Lids

Plastic. 29.5 x 13.5 x 10.5 cm. Pack of 6.

21⁹⁵ 1204049

Electricity & Conductivity



A Comment fonctionne l'électricité?

Available in French only.

39⁹⁵ 2376675

B Electrokit 188

No tools or small parts! Alone or in a small group, students easily and safely snap together sturdy, colourful parts with pre-installed mechanisms, to build battery-operated engines, loudspeakers, switches, lightbulb holders, and more. Electronic set includes a fun and detailed assembly guide featuring more than 80 experiments. Batteries not-included.

79⁹⁵ 2331999

C Makey Makey

Simple and absolutely awesome! Load up a computer program or any webpage, for example a piano. Then, instead of using the computer keyboard keys to play the piano, you can hook up the MaKey MaKey to something fun, like bananas, and the bananas become your piano keys! Or load up a game, draw a joy stick, connect your MaKey MaKey to the drawing using modeling dough (not included), and play! Set includes 1 MaKey MaKey, (1) 2 m USB cable, 7 alligator clips, 6 connector wires, the instructions and more. Works right out of the box with Mac, Windows and Linux.

69⁹⁵ 2338622

D Energy Stick

Children learn about conductivity, insulators and electric circuits as they hold onto either end of this fun Energy Stick, to see if it lights up and makes noises. Completely safe experiment includes (1) 19 cm durable plastic tube with a LED light inside, and detailed explanations. Batteries are non-replaceable.

8⁶⁰ 2339547

E Light bulb holders

Plastic and metal. Pack of 12.

16⁹⁵ 2336329

F Switches

Plastic and metal. Pack of 12.

16⁹⁵ 2336337

G Buzzers

1.5-3 volts. Plastic casings. Pack of 6.

28⁹⁵ 2336345

H Miniature Lamps

For low voltage experiments. Packs of 10.

1.5 V **5³⁵** 2339190

2.5 V **5³⁵** 2332773

I Knife Switches

Single switches. Plastic.

Pack of 6 **25⁹⁵** 2331296

J Electric Motors

Sets of 20 assorted motors with integrated single shaft, double gears or worm gear.

1.5 V **27⁹⁵** 2336774

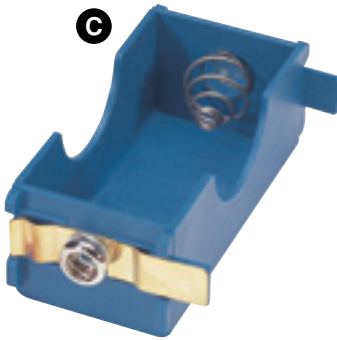
2.5 V **27⁹⁵** 2336782

4.5 V **27⁹⁵** 2336790

K Light Bulb Holders with Screw

Pack of 12.

10⁹⁵ 2331262

**A Electricity introduction kit**

Complete set of elementary electric components for the classroom. Economical without sacrificing quality. Consists of 15 bulb holders, 15 battery holders, 15 switches, 15 'D' cell batteries, 15 mini-bulbs, 2 motors, 10 wire connectors, 2 buzzers and 1 Teacher's Guide. Comes in a practical caddy.

178⁹⁵ 2339000

B Electricity teacher's guide

A fully illustrated 32-pages teacher's guide with reproducible activities covering simple circuits, switches and conductive materials, series and parallel circuits, motors and buzzers and extensions ideas.

9⁹⁵ 2261105

C Battery Compartments

Battery compartments available for different sizes.

(10) battery-holders for 2 AA batteries

7⁹⁵ 2337004

(10) battery-holders for 2 C batteries

9²⁵ 2337012

(8) battery-holders for 1 D battery

10⁹⁵ 2337038

D Alkaline Batteries

Alkaline Batteries

AA (4) **4⁹⁵** 2332534

AAA (4) **5⁹⁵** 2337533

C **1⁹⁵** 2337525

D **1⁹⁵** 2332823

9 V **4¹⁰** 2332831

E Insulated electric wire

30 m (90') long. Pliers sold separately, see 2332864.

11⁹⁵ 2330090

F Alligator clips

Wire with alligator clips at both ends. Pack of 10.

6⁴⁵ 2332799

G Wire stripper

Adjustable, with spring. Isolated handles. 20 cm long.

2³⁰ 2332864

ProScope – Basic Set

ProScope allows specimen observation with clear and sharp magnification. Can be used handheld or on a stand. It even allows you to shoot images and videos of your observations!



ProScope HR and HR2 Specifications

Magnification: 1x to 400x

Resolution: 320 x 240 to 1280 x 1024 (1600 x 1200 for HR2)

Minimum Configuration:

PC Pentium 4 with Windows XP or more recent; Quicktime 7 or more recent; high speed USB2 port required.

MAC G4 or more recent with MAC 10.4.8 or more recent; Quicktime 7 or more recent; high speed USB2 port required.



A ProScope – Basic set

The ProScope is a USB handheld digital microscope designed for both PC and Macintosh platforms. Basic set includes removable lens with 50x magnification, a USB cable, LED lighting and software for taking pictures, movie making in real time and a film programming system. Resource CD included in French.

Microscope Adapter: This device allows you to connect the ProScope to the eyepiece of a table microscope with a provided C-mount (16mm).

HR	334⁹⁵	2335859
HR2	419⁹⁵	2335982

B ProScope – Flexible stand

Flexible stand to be used with the ProScope Lab set (2336816, 2338614, 2331452).

147⁹⁵	2338630
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C ProScope – CSI Science Set

This set includes the Basic Proscope HR device (with the 50x lens and software) plus the following accessories: 1-10x lens, 200x lens and Deluxe stand.

All in a sturdy padded case.

HR2	1087⁹⁵	2339380
Mobile	1187⁹⁵	2331445

D ProScope – Lab Set

This set includes everything listed in the Scientific set, plus a C-mount adaptor and Lens tube adaptor to make it fit on a table microscope.

HR2	1217⁹⁵	2338614
Mobile	1334⁹⁵	2331452

E Led Microscope

Microscope features cool LED illumination, 10,000 hour bulb life, monocular head, wide field 10X eyepiece, 4 X, 10 X and 40 XR objectives, coarse focusing. Includes a dustcover and instruction manual.

Microscope	164⁹⁵	2337103
Wireless, rechargeable microscope	182⁹⁵	2337111

F Stereomicroscope

Binocular microscope makes objects appear in three dimensions. Each features: cool LED illumination, 10,000 bulb life, 2 wide field 10 X eyepieces, 20 X and 40 X magnification. With dustcover and instruction manual.

319⁹⁵	2337228
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G Twist Flexible Digital Microscope

10 to 200 X magnification; 41-cm long, flexible gooseneck; built-in microphone to record and describe investigations and inquiries, then download them to a PC or Mac via USB port; SEN switch jack where an adaptive device (not included) can be plugged in to physically assist students with special needs; measurement software to make accurate measurements and add dimensions to captured images. Resolution: 1.3 M pixels (1280 x 960). OS support: Microsoft® Windows XP and Vista.

151⁹⁵	2331841
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H Pocket microscope

30X. Uses 2 "AA" alkaline type batteries (not included).

12⁹⁵	2333045
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I Zoomy Handheld Digital Microscope

Award-winning, ergonomic scope with top focusing ring and single shutter button; 35 to 53 X magnification; great for lab reports and presentations; works with almost any computer – unit is automatically recognized as USB device; download software from manufacturer's site. Resolution: 640 x 480 pixels. OS support: Microsoft® Windows 98SE, ME, 2000, XP, Vista, and 7, and Mac OSX 10.4.8 – 10.6.2.

69⁹⁵	2331866
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J Proscope Micro Mobile

Turns an iPad 2, 3, 4 Gen into a handheld microscope, allowing you to easily snap still photos and video of the magnified image. Includes a lens assembly with 20-80x zoom range, adjustable lens collar, 12 built-in LEDs, rechargeable power supply for up to 5 hours of continuous operation at maximum illumination, device sleeve with integrated desktop stand for hands-free operation, and detailed instruction manual.

179⁹⁵	2339687
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A Sagittal Head Model

High quality, life-size, colour model showing numbered sagittal section of head and neck. Ideal to study the outer, superficial and internal structures of the human head. Includes an identification key.

Plastic. 22.8 x 10.1 x 28 cm high.
123⁹⁵ 2339828

B Mini Human Torso

Disassembles into 10 parts to visualize its anatomical structure. The right side of the face reveals the eyeball, teeth and muscles. The head, lungs, liver, stomach and intestine are removable for further examination. Also includes the circulatory, respiratory, digestive, nervous and urinary systems. Comes with a detailed teacher's guide. 50 cm high torso, on a plastic stand.

148⁹⁵ 2337129

C My Size insides

The beautifully illustrated and brightly printed graphics are laminated onto special

21⁹⁵ 2330173

D Human Skeleton

White plastic skeleton, with metal stand. 85 cm high.

91⁹⁵ 2337137

E Human Brain Model

Life-size. Plastic. 8 removable pieces. Includes information. 16 cm.

74⁹⁵ 2337152

F Human Ear Model

Plastic. 4 removable pieces. Includes labelled diagram. 36 cm.

59⁹⁵ 2337160

G Human Eye Model

Plastic. 6 removable pieces. Includes labelled diagram. 24 cm.

54⁹⁵ 2337178

H Jumbo Heart Model

This colourful, durable, plastic jumbo heart model is dissectible into 3 parts showing anterior, posterior, and inferior views, along with details usually found only on more expensive models. Labeled diagram and base included.

24.1 x 24.1 x 28 cm high.

38⁹⁵ 2337186

I Movable mouth with toothbrush

Huge semi-rigid rubber mouth that looks very realistic. Designed to help teach dental hygiene to children and the proper technique for brushing their teeth. The adult slips their hand into the back of the mouth, as though it were a puppet, and makes the jaw move. Includes toothbrush. 19 x 16 x 16 cm high.

29⁹⁵ 2193795

J Human Skull

This life-sized human skull features: removable 18th left mandibular model canine and 24th left central incisor, to show the tooth roots, and detachable, spring-mounted mandible and sectioned calvarium. Plastic. 15.2 x 15.2 x 22.8 cm.

57⁹⁵ 2337145



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Together to learn, create and play!